

Anti-STMN1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

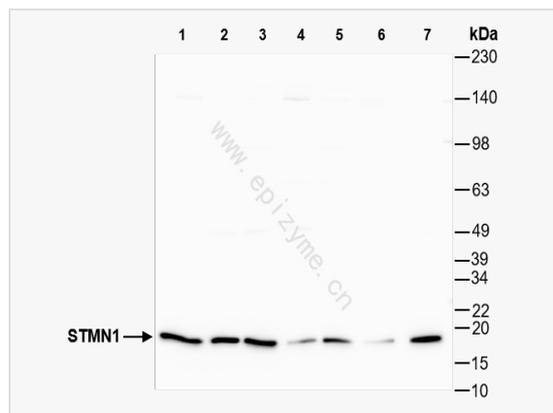
Catalog # R014502

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Rat, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	93N60S54
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human STMN1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-STMN1 Rabbit mAb [93N60S54] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	C1orf215, Lag, LAP 18, LAP18, Leukemia associated phosphoprotein p18, Leukemia-associated phosphoprotein p18, Metablastin, Oncoprotein 18, OP 18, Op18, p18, p19, Phosphoprotein 19, Phosphoprotein p19, pp17, pp19, PR22, Pr22 protein, Prosolin, Protein Pr22, SMN, Stathmin, Stathmin1, STMN 1, Stmn1, STMN1_HUMAN.
Calculated MW	Calculated MW: 17 kDa; Observed MW: 17 kDa
Uniprot ID	P16949, P54227, P13668
Gene ID	3925, 16765, 29332
Background	This gene belongs to the stathmin family of genes. It encodes a ubiquitous cytosolic phosphoprotein proposed to function as an intracellular relay integrating regulatory signals of the cellular environment. The encoded protein is involved in the regulation of the microtubule filament system by destabilizing microtubules. It prevents assembly and promotes disassembly of microtubules. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]
Cellular Location	Cytoplasm > cytoskeleton.
Tissue Location	Ubiquitous. Expression is strongest in fetal and adult brain, spinal cord, and cerebellum, followed by thymus, bone marrow, testis, and fetal liver. Expression is intermediate in colon, ovary, placenta, uterus, and trachea, and is readily detected at substantially lower levels in all other tissues examined. Lowest expression is found in adult liver. Present in much greater abundance in cells from patients with acute leukemia of different subtypes than in normal peripheral blood lymphocytes, non-leukemic proliferating lymphoid cells, bone marrow cells, or cells from patients with chronic lymphoid or myeloid leukemia.



Western Blot - Anti-STMN1 Rabbit mAb [93N60S54]

All lanes: R014502 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

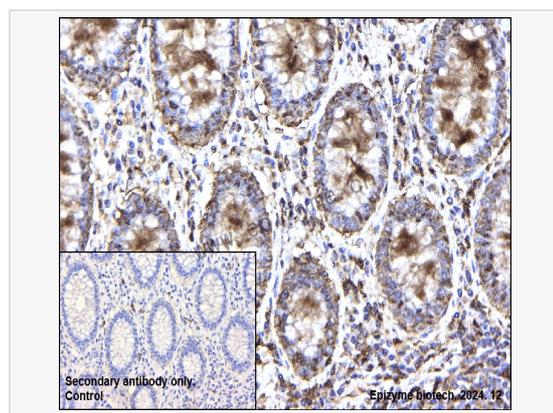
Lane 7: Rat brain whole tissue lysates

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 17 kDa

Observed band size: 17 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-STMN1 Rabbit mAb [93N60S54]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014502 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.